CONTENTS

CONTENTS
(Continued)

CONTENTS
(Continued)

FIGURES

CONTENTS
(Continued)

TABLES

ABBREVIATIONS, ACRONYMS, AND SYMBOLS

2-D	two-dimensional
3-D	three-dimensional
AFB	Air Force Base
AL/EQ	Armstrong Laboratory Environics Directorate
BET	Brunauer-Emmett-Teller Adsorption Isotherm Equation
bgs	below ground surface
BTEX	benzene, toluene, ethylbenzene, xylenes
CMC	carboxymethyl cellulose
CMS	Corrective Measures Study
CP	cone penetrometer
CPT	cone penetrometer test
CQC	construction quality control
DCE	dichloroethene
DNAPL	dense, nonaqueous-phase liquid
DO	dissolved oxygen
DOC	dissolved organic carbon
EDS	energy dispersive x-ray spectroscopy
Eh	redox potential
EPA	Environmental Protection Agency
EQL	estimated quantitation limit
ETI	EnviroMetal Technologies, Inc.
FGDM	Funnel-and-Gate Design Model
FID	flame ionization detector
GC	gas chromatography
GC-FID	gas chromatograph-flame ionization detector
GE	General Electric
GX	gum xanthan
HDPE	high-density polyethylene
HFB	Horizontal Flow Barrier
HSU	hydrostratigraphic units
IAP	ion activity product
IC	ion chromatography
ICP	inductively coupled plasma
ITRC	Interstate Technology and Regulatory Cooperation
K	hydraulic conductivity
$K_{aquifer}$	aquifer hydraulic conductivity
K_{een}	reactive cell hydraulic conductivity

MCL	maximum contaminant level
MFA	Moffett Federal Airfield
MS	matrix spike
MSDS	Material Safety Data Sheet
NERL	National Exposure Research Laboratory
NFESC	Naval Facilities Engineering Service Center
NPV	net present value
NRC	National Research Council
O&M	operating and maintenance
ORC	oxygen-releasing compound
OSHA	Occupational Safety and Health Administration
PBWG	Permeable Barriers Working Group
PCB	polychlorinated biphenyl
PCE	perchloroethylene
PPE	personal protective equipment
PRP	potentially responsible party
QA	quality assurance
QAPP	Quality Assurance Project Plan
QC	quality control
RCRA	Resource Conservation and Recovery Act
RFI	RCRA Facility Investigation
RFI/CMS	RFI/Corrective Measures Study
RI/FS	Remedial Investigation/Feasibility Study
ROD	Record of Decision
RTDF	Remediation Technologies Development Forum
SEM	scanning electron microscopy
SI	saturation index
SITE	Superfund Innovative Technology Evaluation
SPH	smooth particle hydrodynamics
T	temperature
TCA	trichloroethane
TCE	trichloroethylene
TDS	total dissolved solids
TOC	total organic carbon
TSS	total suspended solids
USCG	United States Coast Guard
U.S. DOE	U.S. Department of Energy
U.S. EPA	U.S. Environmental Protection Agency
USGS	United States Geological Survey
UST	underground storage tank

VC	vinyl chloride
VOC	volatile organic compound
VP	vinyl polymer
WDS	wave dispersive spectroscopy
XRD	x-ray diffraction